L-23C

Monopolar Radio Frequency Machine (Desktop)

User Manual

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What is radiofrequency?

Technically speaking, radiofrequency is the number of oscillations (or waves) per second of the electric and magnetic fields within the radio waves portion of the electromagnetic spectrum.

It is lowest of the electromagnetic radiation frequencies within the spectrum, which itself spans from radio waves, microwaves, infrared, optical (visible light), ultraviolet, x-rays, to gamma rays.

By feeding an alternating current (AC) or voltage through an antenna or electrode, electromagnetic waves can be generated that radiate through space at the speed of light; called radio waves. Radiofrequencies, or radio waves, have wavelengths ranging from less than a centimetre to as long as 100 kilometres.

UK domestic electricity which itself is an alternating current could in theory be used for “electrosurgery”, however as most people know, contact with this kind of electric current can cause very undesirable effects such as electrocution and uncontrolled neuromuscular (nerve and muscle) stimulation. However, if the frequency of the alternating current is raised above the response time of neuromuscular structures, we find the radiofrequency range which can safely be used for medical/surgical applications.

By applying RF energy to the human body, which can conduct current and therefore act as part of the electrical circuit, any resistance encountered by the energy flow will cause heat to be produced at the site of maximum resistance, which can be used to cut or coagulate tissue.

When comparing non-ablative (procedures that do not involve the destruction of the outer layer of the skin) techniques, RF energy differs from laser (light) energy in that light energy tends to scatter or absorb into the upper layers of the skin, making it difficult to deliver sufficient heat into the deeper layers without damaging the skin's surface.

Lasers therefore affect collagen in the upper dermis, improving fine lines, wrinkles and skin texture, while RF energy is able to penetrate deeper into the skin and affect the deeper dermis and subcutaneous layers, causing tightening and improvements to the underlying tissue structure, but with little change in skin texture or fine lines and wrinkling.

Types of radiofrequency delivery

Monopolar (also called Unipolar)

Monopolar or unipolar refers to a device having one pole or electrode.

With monopolar delivery, the current from the generating machine flows through the body from a single electrode (handpiece) and meets maximum resistance in the area around the

tip of the handpiece, where tissue heating in the subdermal layers then occurs. A grounding, or “return pad” may also be used, attached to the patient’s lower back or abdomen, to provide a low resistance path for the current to flow back to the generating machine, to complete the electrical circuit.

Biopolar

Biopolar refers to a device having two poles or electrodes.

With bipolar delivery, the current from the generating machine flows only through the tissue which is between the two electrodes on the handpiece; these electrodes start and complete the electrical circuit. Hence, with bipolar delivery, no current flows through the rest of the body, so no grounding or return pad is needed.

In all cases of radiofrequency delivery types, it is the resistance to the current flow in the tissue, not the electrode that generates the heating effect.

Summarize

Aiming at civilization development, medically it is researched and developed RF System, which integrates facial and body slimming, without any side effect. As the modern high-tech equipment, RF Machine is widerly used in beauty and slimming salons etc.

Monopolar RF Machine is the newest wireless skin lifting and body slimming in 21 century. Different with operation, people use it on beauty or slimming salons, most effectively and safest. Monopolar RF Machine has double-frequency system, which is a newly concept integrated with high-tech fruition as multi-functional double-frequency beauty RF system and slimming machine. It eradiates high-effective heat energy, activate collagen tissue, enters deep skin layers, to rapidly attain purpose of beautifying face and body.

Theory of Monopolar RF Machine

Monopolar RF takes that epidermis balances normal temperature, RF electric wave produces heat into deep skin as nuclear technique, based on assurement of skin comfortable, harmless, it uses RF electric wave to produce heat exchange, precisely attains skin deep, stimulates inner ion of body, colloid granule with electricity will be forced rapid movement, vibration or attrition, then produce heat energy. At same time, under effect of polarized molecule resonance, it heats collagen tissue of dermis layer. When deep collagen tissue is heated up to 45℃-60℃, it will naturally produce instant shrinking, stimulate to excrete much new collagen to make up interspace of the shrinking or lost collagen protein, and make them rearray, rebuilt skin soft bracket, finally get tight skin, remove wrinkle, recover skin elasticity and luster.

Features of Monopolar RF Machine

1. Rolling Electrode Type and oriented Pad Type available, aim at diffierent treating requirements.
2. Electronic digital control system: Adjust frequency and time, very simple and convenient.
3. Special design on RF heads: It equipps with different sizes of RF heads, suitable for face skin or body different parts.
4. Safety switch: it controls emergency pause to prevent overeating and inducint accidents.
5. Start form 'Zero': To prevent any possible accidents.
6. Inner Time Control: Treated time between 5 to 50 minutes, safe and free.

Function and therapeutic theory

1) Adiposity:

Deep diathermy;

Blood vessel dilatation;

Enhance oxygen fluid, advance oxygen-taking exercise, upgrade blood and lymph circulation, exhaust toxin and

waste, activate metabolism;

Dispel and soften celluliate tissue;

Attain effect of weight reduction and controlling fatness.

Main effency:

Improve astriction.

Burn fatness.

Enhance flexibility.

Reduce pain.

Firm slack skins after producing baby.

2）Rejuvenate skin.

Deep diathermy;

Blood vessel dilatation, enhance blood fluid.

Supply oxygen and organic nutrition transportation, strengthen cells function, advacne blood and lymph circulation.

Activate metabolism function, make collagen albumen producing.

Tender, lift and firm skin.

Main effency:

Lift and firm skin, dispel wrinkle, eye bag.

Whiten and tender skin.

Control ance, shrinken pores.

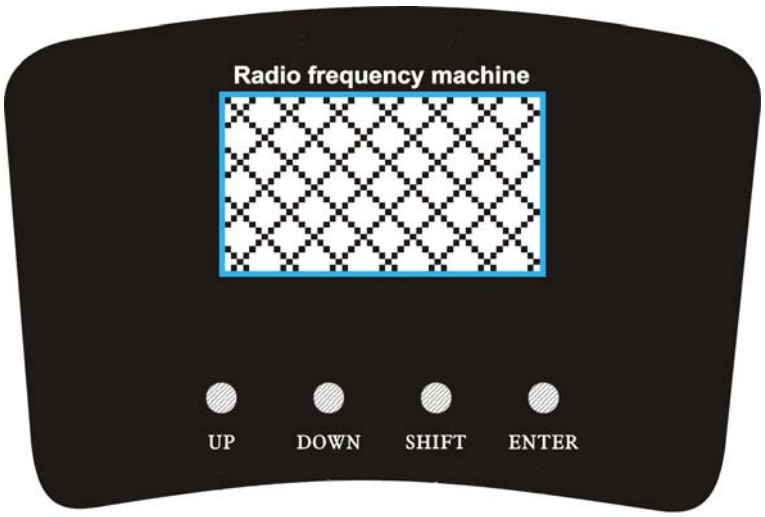
Make up water, sculpture face shape.

3) Treat pain.

Deep diathermy;
Activate cells metabolism function,
Relax muscle.
Increase fibre albumen tissue dilation, letdown anchylosis.
Ease pain.

Main effency:
Ease muscle pain.
Letdown anchylosis.
Relax fatigue of all body.

CONTROL PANEL



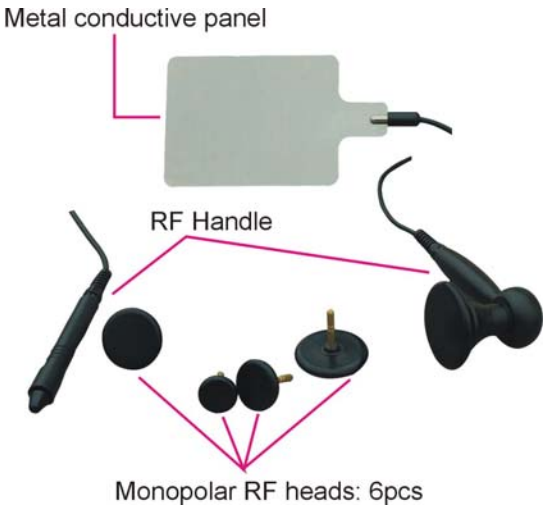
UP and DOWN: To adjust time.
SHIFT: To reverse the original Menu.
ENTER: To enter operating.
LEFT SOCKET: Output of RF heads.
RIGHT SOCKET: Output of Metal conductive panel.
INTENSITY KNOB: Intensity of Frequency: 0-99%, adjustment by knob.

Introduction of operating steps.

a. Oper Power at back of the machine, then press ENTER to enter operating interface;
b. By pressing UP or DOWN to adjust Time, from 5 to 30minutes, press one time of UP or DOWN to add or minus 5 minutes.
c. After time adjustment, please press ENTER to start operating.
d. During operating, we can screw the knob of INTENSITY to adjust ratio of intensity, its parameter, you can refer introduction from the manual.

Technical Parameter:

Operating Frequency: 0.3-0.5Mhz.
Output Power: 300W;
Output current: 3A



Fittings

1. Metal Conductive Panel : 1pc; we normally suggest to put it on rich fatness place of body, so back and buttock both our recommendation.
2. RF Handles: 2pcs;
3. RF Heads: 6pcs. To choose according to different parts of body.

Operational steps:

The fittings of RF machine include the big and small handle and the big, medium and small probes. According to customer's requirements, please choose relevant handle and probe. Usually the small probe is special for eye around care and tiny wrinkle and other detail parts therapy, the medium probe is special for the face therapy, the big probe is special for the body therapy, such as, arms, the back, the thigh and crus, waist, buttocks etc.

1. Take out of conductive panel and RF handle, connect them with the relevant sockets of mainframe.
2. Open the key.
3. Open the Power of the machine, connect the proper probe with the handle.
4. Press Up/Down to choose Chinese or English language.
5. Press Enter button to enter Work Mode choice.
6. Press Up/Down to choose Face or Body therapy.
7. Press Enter button for sure.
8. Press Up/Down to choose work time.
9. Press Enter button to start work, at same time, if the LCD shows time changing, it means the machine is in working status. According to the treated part, adjust treated time, adjust screw into the proper temperature according to customer's endurance.
10. Before operation, please take out of all metal decorations.
11. Place the conductive panel under the thick-fatness part of the customer, like the back.

12. Clean the treated skin.
13. Apply relevant medium onto the treated skin.
14. Adjust treated time, screw the know into the proper temperature.
15. Please step on the Pendal when operating.
16. Along skin texture, to do facelift as 8 shape, E letter. On corners of the mouth, eye around and wrinkle parts, we can do multi-operation.
17. Skinlift and appeasing etc.
18. During operating, please make sure that the beautician's other hand doesn't touch with the customer's skin.
19. Screw the knob to be 0 place, then shut off the power.

Slimming operation:

1. Apply the relevant slimming cream first.
2. During treating on the waist, please focus the navel, do circle gesture from small to big, move the probe as 8 letter arrond the navel, push both sides of the waist to the groin, then exhaust it through lymph of the groin. Please operate as gestures of the manual.
3. Screw the knob to be 0 place, then shut off the power.

Operational Notices

1. Check if the machine and power plug are connected in right place.
2. Beautician and client should take out of all metal products.
3. Beautician should wear the insulating gloves during operation.
4. Be sure not leave any moisture at surface skin of client.
5. Choose proper RF head on relevant parts.
6. During courses, Metal conductive panel and RF head should be applied along skins firmly.
7. Be sure not use it together with electrothermal blanket.
8. Beautician don't touch client's body to avoid producing static.
9. Don't orientated stay at skins or treat a part over 8 seconds when operating.
10. Pleae press STOP to shut off it and cut power if a long time not in use.
11. If use it continuously, suggestion is stop it about 10 minutes after 1-hour use.
12. Be sure not operate the same part for other current therapy at same day.
13. During treatment, be sure not accept other therapy at same time.

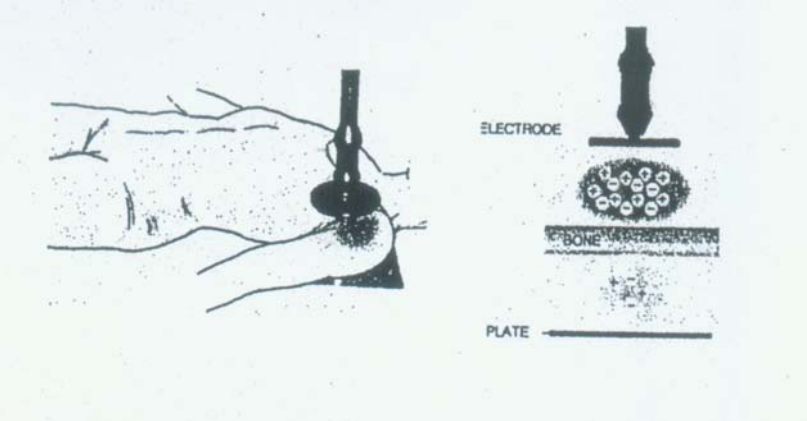
Treatments and operational methods

1. Before use, please take Metal Conductive Panel along skins firmly. 2. Choose proper RF heads according to different parts.	
Face therapy 3. Apply professional high-frequency cream on treated parts. 4. During operation, be sure RF heads along skins firmly. 5. During operation, surface of RF heads must be along skins vertically. 6. During operation, RF heads cannot be touched with Metal conductive panel. 7. During operation, please adjust proper temperature according to the customer's status.	
Eye therapy 8. Apply professional cream on treated parts. 9. Choose the RF heads for eye around to do eye therapy. 10. During operation, please adjust proper temperature according to the customer's status.	
Body therapy 11. Apply professional cream on treated parts. 12. Choose the RF heads for body to do body therapy. 13. During operation, please adjust proper temperature according to the customer's status. 14. If the customer feel overhot, please adjust the knob to reduce temperature.	
Leg therapy 15. Apply professional cream on treated parts. 16. Choose the RF heads for legs to do leg therapy. 17. During operation, please adjust proper temperature according to the customer's status.	

MAINTAINING NOTICES

1. After therapy,only use weted cotton to clean RF heads, be sure not use alcohol;
2．Keep Metal conductive panel and RF head surface clean.
3. Keep it out of place with sunshine directly irrediation.
4. During therapy, keep room temperature not too high.
5．If use it continuously, suggestion is to stop it about 10 minutes after 1-hour use.
6. Avoid vibration and swaying machine.
7. Prohibit scratching surface of RF heads, if not, have to change a new one.

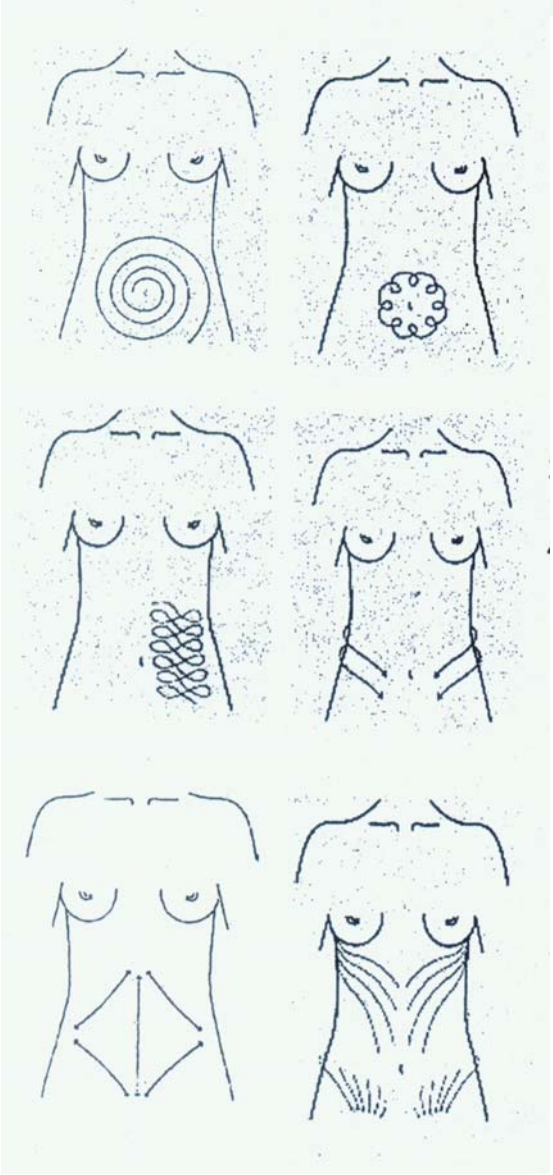
A. OPERATION GESTURE of RF HEAD.



Operation for belly

Scale: 60%-100%

Treated time: 30 minutes.



1. Form small to big, swivel along bellybutton around by clockwise, to help large intesitines and small intestines squirm.

2. By clockwise to rotate and circle along bellybuttone arround.

3. By '/\' or circle gesture aiming at hard fatness part.

4. Form waist to groin along texture of muscl to improve waist-line.

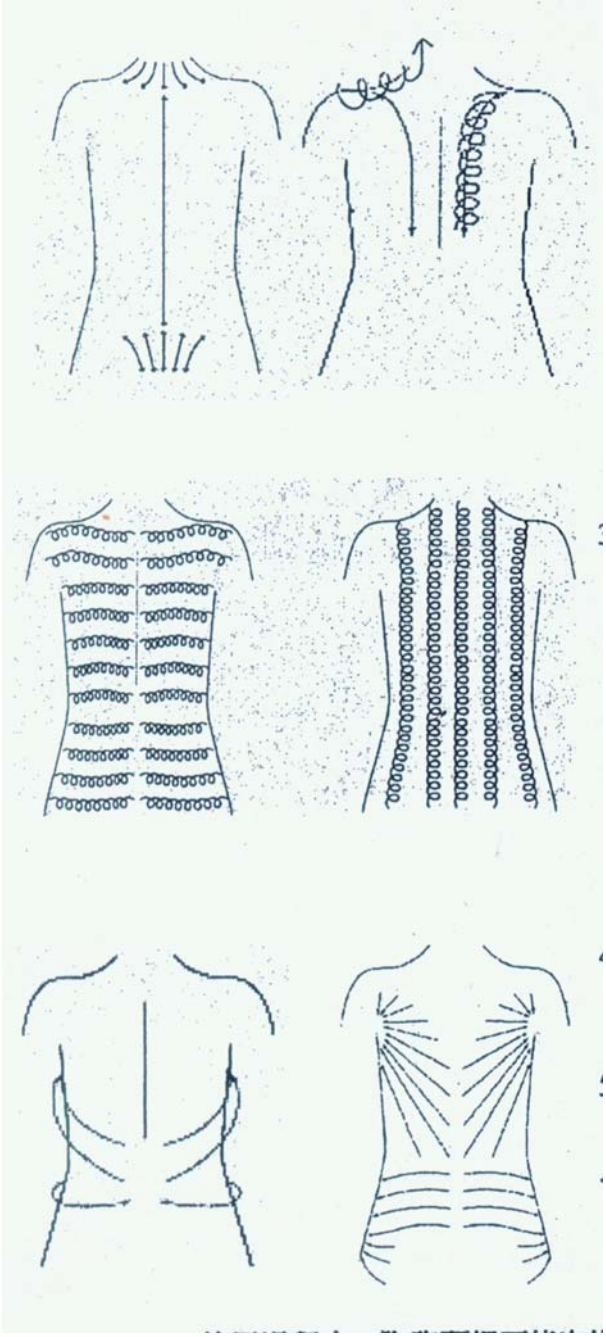
5. Lymph drainage at last, operate by rolling gestures to move toxins to groin.

※ During operation, RF head head cannot be oriented touch at one part of skin. ※

GESTURE ON BACK

Scale: 50-80%

Treated time: 30 minutes.



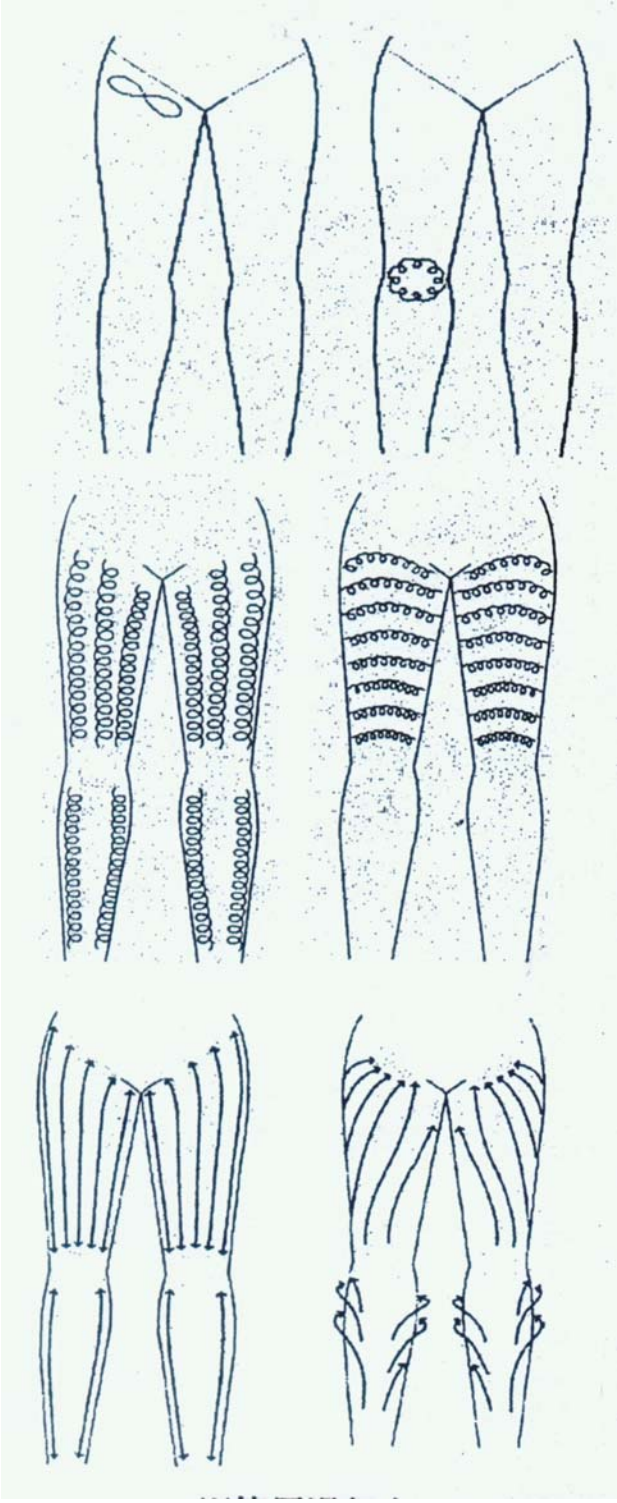
1. Relax lumbar and neck vertebra, or drive between back vertebra.
2. Circule from neck to shoulder, or drive by come-and-go on shoulder muscle. It can relax shoulder muscle.
3. Circule on back and all body by come-and-go, can recircule on hard fatness to help it breakdown.
4. At last, according gesture of lymph drainage, to drive away toxins along lymph places.
5. Improve back and waist sculpture.

※ During operation, RF head head cannot be oriented touch at one part of skin. ※

GESTURE ON FORMER THIGH

Scale: 50%-80%，

Treated time: 30 minutes.



1. By '/\' or circle gesture on lymph node or dropsy places to stimulate, at first.

2. From down to up, by circle to upthrust.

3. From left to right, by circle to drive,recircle aiming at orange fatness place to help it breakdown.

4. From down to up, according to texture to upthrust to recover body-line.

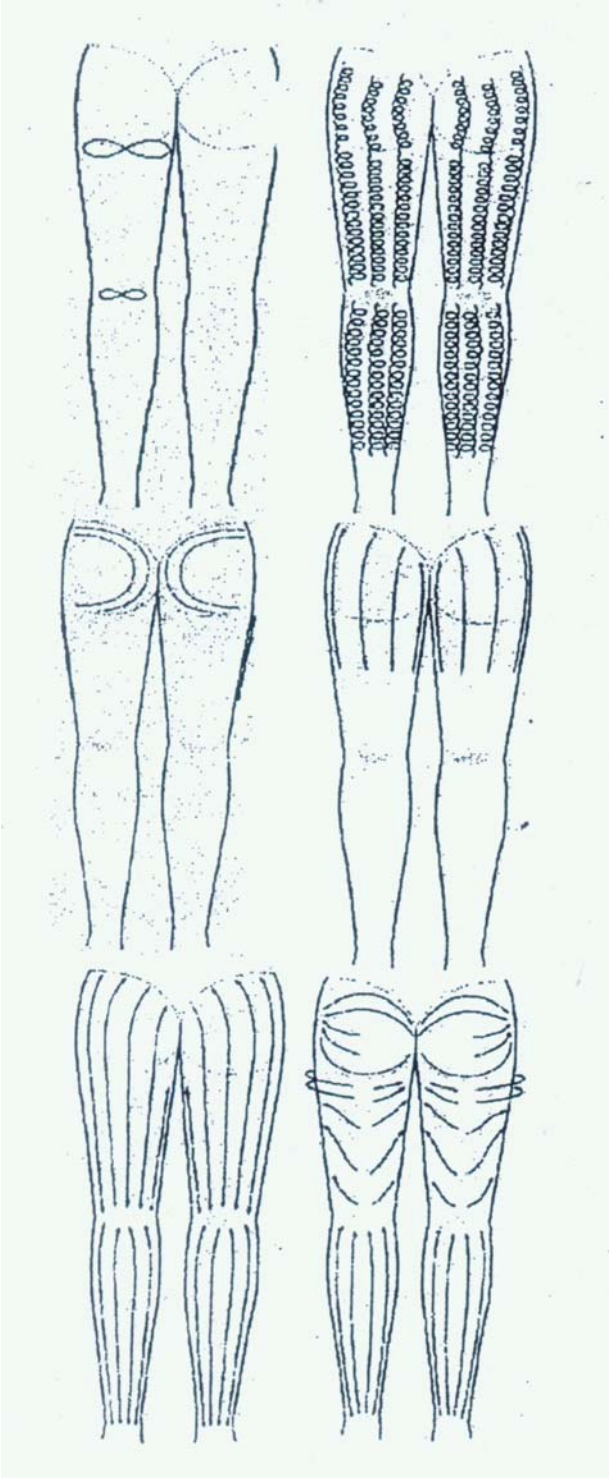
5. Drive toxins to lymph node by gesture of lymph drainage, at last.

※ During operation, RF head head cannot be oriented touch at one part of skin. ※

GESTURE ON BUTTOCKS, BACK THIGH AND CRUS

SCALE: 70%-100%

Treated time: 30 minutes.



1. By 'Λ' gesture on lymph node to stimulate, at first.
2. Then start from crus, by down and up,circle and drive to buttocks.

3. Drive entad aiming at buttocks muscle.

5. Start form crus, from down to up, upthrust to buttocks, to help lifting and firming line.

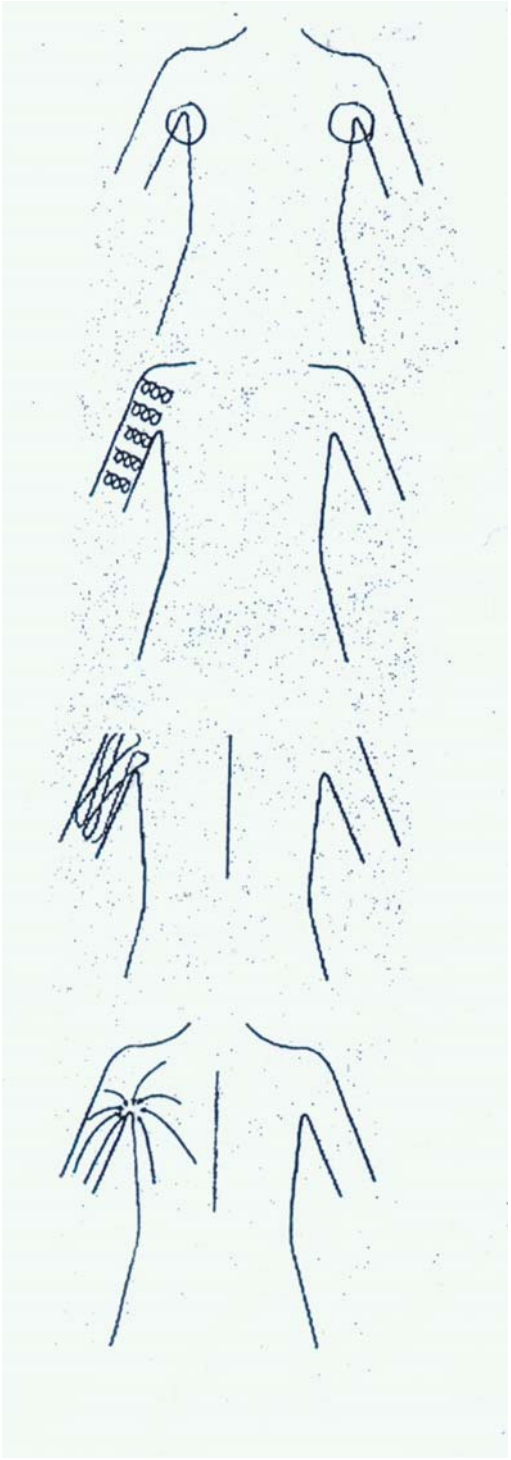
6. At last, ccording to gesture of lymph drainage, drive toxins to lymph node to be taken away.

※ During operation, RF head head cannot be oriented touch at one part of skin. ※

GESTURE ON HANDS

SCALE: 60%-100%

Treated time: 30 minutes.



1. Circle at lymph node of oxter to stimulate, at first.

2. Aiming at hard fatness, circle by come-and-go to push.

3. By ‘/\’ gesture or from down to up, upthrust contineously along lymph orient to recover line.

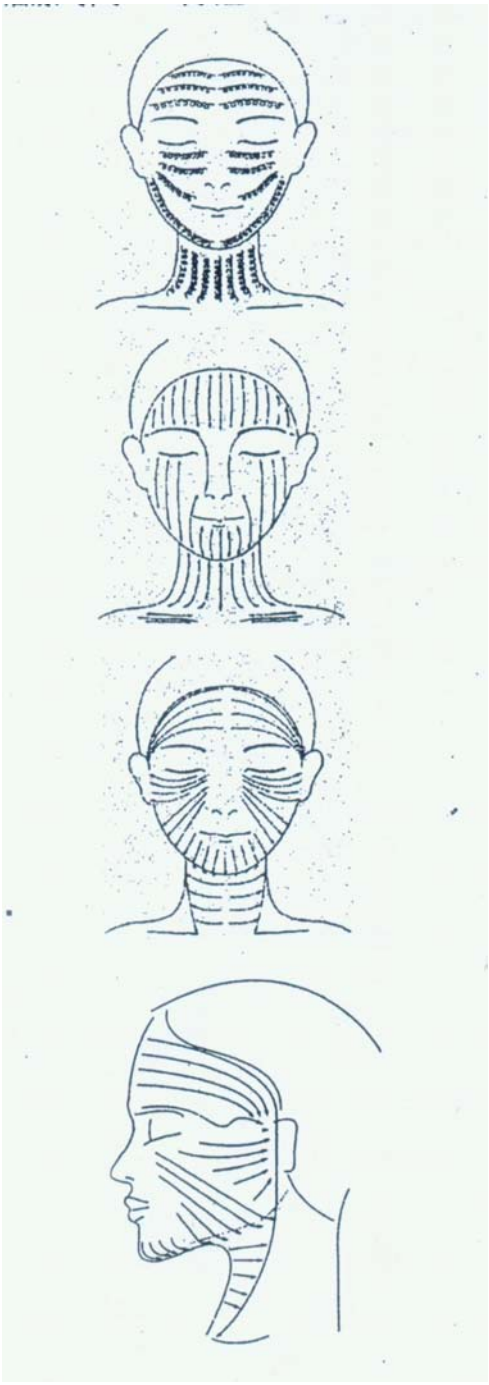
4. At last, according gesture of lymph drainage, to drive toxins along lymph node to be taken away.

※ During operation, RF head head cannot be oriented touch at one part of skin. ※

GESTURE ON FACE

Notices: During operation on face, be sure the temperature not too hot, it is enoughthat the client feel warm.

Treated time: 30 minutes.



1. By gentle gesture, start from neck, circleto accelerate face blood circulation.

3. Lift and fimr according to texture of muscles.

3. At last, according to gesture of lymph drainage, drive toxins to lymph nodes to be taken away.

4. Side elevation sketch of lymph gland.

※ During operation, RF head head cannot be oriented touch at one part of skin. ※

PROHIBIT

1．Women who have baby or during lactation
2．Who with epileptic.
3．Who with malignancy.
4．Who with acute inflammation or with pain and diseases.
5．Who with wound not healed up after operation.
6．Who with heart disease or heart pacemaker.
7．Who with nephropathy such as cholelithiasis.
8．Who with serious diabetic.
9．Heart, cerebra, nerve center of head,chine, eyeball, bleeding parts, injecting parts.
10．Metal matrix ring. (Can treat other parts)
11．Who have accepted belly operation during menses, birth control or emictio nincontinence.
12．Who has much heat in body.
13．Who with atopic.
14．Who with hyperpyretic.
15．Who with serious capillary vessel enlargement,have steroid hormone for a long time or incretion disadjustment.(Can treat other parts)
16．Haemophile or who with serious bleeding.

Post Service and maintenance

Post service

We will guarantee the quality of our equipment, normally there is no quality problem.

1. If there is a deficiency, please email or call us on the reasons, it would be best if this can be dealt with by email or telephone. Because some of the problems are caused by using the machine in a wrong way.
2. We suggest the client to take photos of the area where the problem occurs, we will pass them to our technician, and our technician will give a satisfactory answer within 1-7 working days.
3. If the problem comes from the spare part, we could consider in changing the spare part for our client, which could be sent with his/her next order. If the next order is uncertain, we could pay freight cost to send the spare parts.
4. If the problem comes from the main device, we could advice our client to post the device back to our company for repair by ordinary post, or we could re-send a new one to our client. If the cost of posting the problematic device back to JIMY is more than the value of a new device, JIMY would take it into consideration, according to the actual status; apply to re-send a completely new device back to our client.
5. If the inferior equipment very big or expensive, not convenient to send back by post office, we will give you an appointed Hong Kong place, you can send Hong Kong first. Jimy will ask a cooperated forwarder to take it back. Jimy will pay all charges from Hong Kong to our office. Once we check the equipment is the quality inferior, we also agree, in your next order, to deduct the freight from the customer’s office to Hong Kong if you fax or email us relevant shipping receipts and invoice.
6. Please make sure, if you send the inferior one to us by air etc. without any advanced notice, Jimy will not pay relevant air freight and custom fee.

All in one, we will try our best to serve you and also need your fully cooperation. Thanks.

Remarks:

1. The term of maintaining guarantee is a year from the date of purchasing according to the receipt. Others not included in maintaining guarantee or over the time, we also supply to maintain and renew but need charges. Please contact with the dealer if need change of purchase the parts and easily expendable products.
2. We won’t supply maintaining guarantee if troubles as below:
   A. Disassembling the machine by self;
   B. Fall it without caution;
   C. Lack of reasonable keeping and protect;
   D. Not operate according to the user manual.
3. If changes of the design and specification of the machine, we will not notice you in addition.